

June 1996 ECS-TSDIS ICD Change Matrix

November 19, 1996

'Type' Legend:

C - Clarification/Correction

E - Editorial

A - Add

D - Delete

No.	Page, Section, or Figure	Type	Source	Change	Reason
1	p.2-1, Section 2.1	A	ECS/SMO	Add EOSDIS Security document to Parent Documents	Reference for security policy followed in ICD.
2	p.3-1, Section 3	E	ESDIS	Refer to Figure 5-1 for detailed data flows.	For those wanting to get more details on the data flows without reading entire document.
3	p.3-2, Section 3, Figure 3 - 1	E	ESDIS	Add VIRS data flow from TSDIS	Missing in baselined document
4	p.4-2, Section 4.1.5	C	ECS/CSS	For the kerberos software used for kftp, reference the same software used in the socket connection in Section 4.1.6	kftp is included in whatever kerberos software is used.
5	p.4-2/3, Section 4.1.6	C	ESDIS and ECS/CSS,SMO	Correct/clarify wording of Kerberos version and software.	Version used changed since baseline, agreed upon by TSDIS.
6	p.4-3, Section 4.1.7	C/A	ECS/SMO	Clarify access list is comprised of only ECS-registered users. Add LIS to access list.	Not clear. LIS will need TSDIS data during the 6 months after instrument checkout.
7	p.4-4, Section 4.2 (related to #4)	E	ECS/SMO	Delete 5.5	Remove reference to Kerberos version other than in # 4.
8	p.4-5, Section 4.2.1, Table 4 - 2	C	ECS/SMO, CSS	Change recommended value for password encryption level for TSDIS to 2	2 is the actual value being used
9	p.4-13, Section 4.3.2.1	C	ECS/DSS	Delete 3rd sentence in first paragraph.	Incorrect information. ECS does not perform these checks until after sending the DRA.
10	p. 4-13, Section 4.3.2.1	C	ECS/SMO	Delete TBR.	Sentence is correct.

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1 1	p.4-14, Section 4.3.2.1, first paragraph on page	C	ECS/DSS	Clarify that the new DAN from ECS for the files with problems as reported in the DDN from TSDIS will have the same expiration time as the original DAN.	Implementation of TSDIS requirement to get the new DAN.
1 2	p.4-14, Section 4.3.2.1, first paragraph on page	C	TSDIS	Clarify that the new DAN will be sent in a new TCP/IP connection.	TSDIS software is set up to handle the new DAN in this way, like in their SDPF interface.
1 3	p.4-14, Section 4.3.2.1, second paragraph on page	C	ECS/DSS	Clarify that the new request for the data is the Data Request message.	To eliminate confusion.
1 4	p.4-14, Section 4.3.2.1, end of second paragraph and last sentence p.4-16, Section 4.3.3 and first sentence p.4-22 (Section 4.4)	C	ECS/SMO	Delete 's' from 'Manuals'	only one manual (GSFC DAAC)
1 5	p.4-20, Section 4.3.6	C	ECS/SMO, TSDIS	Change the metadata parameter being updated from Quality Indicator to Quality Flag.	Metadata parameter change agreed upon by TSDIS and ECS.
1 6	p.4-20/21, Section 4.4	A	TSDIS and ECS/IATO	Add description of bit and byte ordering in messages, as stated in SDPF ICD.	A discrepancy was found during early interface testing.
1 7	p.4-22, Section 4.4.1, second paragraph and p.4-23, 6th line from top.	E	ECS/SMO	Change Figure numbers.	Figure numbers changed due to addition of new figures described in # 16.
1 8	p.4-23, 2nd line from top	C	ECS/SMO	Clarify use of DAN sequence number.	Not used in Data Request/Data Subscription messages.
1 9	p.4-23, 2nd paragraph, 2nd line.	C	TSDIS, ECS/SMO	Clarify TSDIS processing of DAN from ECS.	For completeness, since information was added on ECS Ingest handling of the DAN.

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20	p.4-24, Table 4-8, Note 1	C	ECS/DSS	Clarify that each TSDIS processor ID must be an ECS registered user and that the ECS ECS originating or consumer system is a descriptive identifier.	The TSDIS Ids are kept in tables in the ECS system. There are no ECS processor Ids needed by either TSDIS or ECS.
21	p.4-25, Table 4-8	C	ECS/SMO, DSS	Clarify that the Data Type is not necessarily the ECS Data Type.	ECS Data Types may be different from the DATA_TYPE values.
22	p.4-25, Table 4-8	D	ECS/Ingest, DSS	Delete DATA_VERSION parameter from the DAN.	Version numbers are not supported in release A.
23	p.4-25, Table 4-8	C	ESDIS	Clarify that the NODE_NAME value can also be an IP address.	Eliminate confusion.
24	p.4-26, Table 4-8, OBJECT=DP_CIO	C	ECS/SMO, Ingest	Change references to SFDU header to DPCIO or TSDIS ASCII metadata file.	SFPU header has been replaced with just PVL portion, which is an ASCII file. See # 54.
25	p.4-27, Table 4-8	C	ECS/Ingest	Change maximum file size to 2 GB.	Unix 32-bit limitation.
26	p.4-27, Table 4-8	C	ECS/Ingest	Delete "or ECS" from Consumer System column for time parameters.	ECS Ingest does not check for these parameters, so they are not required but may be left in the DAN from TSDIS.
27	p.4-28, Figure 4-10	C	ECS/Ingest	Delete DATA_VERSION and Times from the figure.	Reflect changes described in #s 22 and 26.
28	p.4-29, Figure 4-11	C	ECS/DSS	Delete DATA_VERSION from the figure.	Reflect change described in # 22.
29	p.4-30, Section 4.4.2	A	ECS/SMO, Ingest	Describe usage of new dispositions in the short DAA.	Clarification. See # 30.
30	p.4-31, Table 4-9	A	ECS/Ingest	Add new dispositions. Note the ones that are only reported by ECS, not by TSDIS.	New failure/error conditions identified and reported in Ingest software that TSDIS should be made aware of.

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3 1	p.4-31, Table 4-9	E	ECS/Ingest	Change "other errors" to "Consumer System internal error"	All other errors would be internal.
3 2	p.4-32, Table 4-10	E	ECS/SMO	Clarify Data Type and Descriptor wordings, and change bit 0 to Not used.	Relevant to #s 21 and 22.
3 3	p.4-32, Table 4-10	A	ECS/Ingest, SMO	Note level of checking done by ECS and TSDIS. Note that "invalid time/date format" is not reported to TSDIS in DAAs from ECS.	Related to # 22. Related to # 26.
3 4	p.4-34, Table 4-11 and p.4-36, Table 4-12	C	ECS/Ingest	Change disposition value of 3 to be only used by TSDIS. Clarify wording of disposition of 6. Delete "Too many errors in file transfer" from description of disposition of 5.	3 was included in 5.
3 5	p.4-34, Table 4-11 and p.4-36, Table 4-12	D	ECS/Ingest	Delete threshold dispositions.	These dispositions were moved to the short DAA. (# 30)
3 6	p.4-34, Table 4-11 and p.4-36, Table 4-12	C	ECS/Ingest	Change "Recovery Failure" to "Consumer System internal Error" and Change "Metadata checking failure" to "Request cancelled" and add disposition 242 "Duplicate file name in granule" and note usage of values above 241.	Provide correct error information.

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3 7	p.4-38, Section 4.4.5	C	ECS/DSS	Clarify wording in first 2 paragraphs.	Correct the terminology.
3 8	p.4-38, Section 4.4.5	D	ECS/DSS	Delete last 2 sentences in second paragraph and entire third paragraph.	Some incorrect sentences and some not needed.
3 9	p.4-38, Section 4.4.5, 4th paragraph	C	ECS/SMO, DSS	Clarify file names for products provided to TSUs and distribution of metadata files.	Needed to clarify and correct the information.
4 0	p.4-38, Section 4.4.5, last paragraph and bullets.	C	TSDIS, ECS/DSS, SMO	Clarify description of files to not be included in the DAN to TSDIS.	TSDIS does not want ECS metadata files, old versions, or the TSDIS PVL metadata file.
4 1	4-39, Table 4-14	C	ECS/SMO	Change message length value to "Determined length".	The minimum length depends on the variable strings as well as the OBJECT used and number of files requested.
4 2	p.4-40/41, Table 4-15	C	ECS/SMO	Change MEDIA_TYPE parameter format to Fixed String, and DATA_TYPE parameter to Variable String.	Correct error.
4 3	p.4-40, Table 4-15	D	ECS/DSS	Delete FILE_TYPE parameter Add Note 1.	This parameter is not needed. Same as DAN Note 1.
4 4	p.4-41, Section 4.4.6 and p.4-42, Table 4-16	D	ECS/DSS	Delete "network error" disposition.	This disposition couldn't be returned.
4 5	p.4-43, Table 4-17	C	ECS/SMO, DSS	Fill in and correct the EVENT_ID values.	Included in workoff plan, Item # 4.
4 6	p.4-44, Table 4-18	A	ECS/DSS	Add Invalid Expiration Date disposition.	Expiration Date is one of the parameters in the Data Subscription that needs to be validated before a subscription may be entered into ECS.

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4 7	p.4-46, Table 4-20	C	ECS/DSS	Change ECS_ID_STATUS values, string lengths, and Message Length. String length is the maximum TSDIS can handle. Message length reflects new status string length.	Data Request statuses could change, and depend on whatever values are returned by the ECS subsystems. Data Subscription status indicates whether the subscription is or is not in the ECS system. (item #1 in the workoff plan)
4 8	p. 4-47, Section 4.4.11	C	ECS/DSS	Clarify use of cancellation requests messages.	More info was needed on when Data Requests can be cancelled.
4 9	p.4-48, Section 4.4.12	C	ECS/SMO	Correct the name of the message. Include non zero dispositions.	The message name is Product Order Cancellation Request, not Data Request or Subscription Cancellation Request. Clarification and completeness.
5 0	p.4-48, Section 4.4.13	C	ECS/SMO, TSDIS	Change the metadata parameter being updated from Quality Indicator to Quality Flag	Metadata parameter change agreed upon by TSDIS and ECS. (same as # 15)
5 1	p.4-49, Table 4-23	C	ECS/SMO, TSDIS	same as # 50, but the actual message parameters, including the valid values and message length.	Message needed updated to reflect the change in metadata parameter.
5 2	p.4-50, Section 4.1.14	C	ECS/SMO, TSDIS	same as # 50	same as # 50
5 3	p.5-1/2, Figure 5-1	C	ECS, ESDIS, TSDIS	Add TRMM Ephemeris and Housekeeping data flows from TSDIS to ECS.	TSDIS will send the Ephemeris and Housekeeping files so they can easily order them back when needed. (ie, no interDAAC transfer from LaRC to GSFC)
5 4	p.5-3, 5-4, and 5-5	D	ECS/Ingest, SMO, and TSDIS	Delete SFDU header section. (Replaced with text in Section 5.2 about ASCII PVL file)	Only PVL portion was being used, with no software reuse, so unused portion can be deleted.

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55	p.5-6, Section 5.1, first paragraph	A	ECS/SMO	Clarify format of GV products (ie, not EOS-HDF)	Minimize developer/tester confusion.
56	p.5-6, Table 5-1	E	ECS/SMO	Change Table #.	Previous 2 tables in the section have been deleted.
57	p.5-6, last paragraph	E	ECS/SMO, TSDIS	Update date and add document number for the document referenced, and clarify TSDIS use of compression.	TSDIS might not compress the data.
58	p.5-7, Section 5.2, paragraph	A	ECS/SMO, DSS	Define a file name ending for TSDIS ASCII metadata files (" .PVL ")	ECS needs a way to identify these files so they don't get reported in the DAN to TSDIS, per TSDIS request.
59	p.5-7/8, Section 5.2, paragraphs	C	ECS/SMO, ESDIS	Clarify metadata formats/references for non-HDF products; add guide and collection level metadata information.	ESDIS action item #'s 16 and 17 for baselined ICD.
60	p.5-7, Table 5-2	A	ECS/Ingest, SMO, TSDIS	Add table of PVL portion of SFDU header. (related to # 54)	Replacement for full SFDU header for non-HDF files (contains the metadata).
61	p.5-9, Section 5.3.1	C	ECS/SMO, TSDIS	Clarify document date and number, as in # 57.	same as # 57.
62	p.5-9, Section 5.3.1	C	ECS/DSS, SMO	Change the wording referring to ECS data type to the PVL parameter DATA_TYPE. Add wording about future changes.	Allows ECS data types to be different if needed and not affect TSDIS.
63	p.5-9, Section 5.3.1	D	ECS/SMO	Delete the last sentence.	Information is covered in another section.
64	p.5-10, Table 5-3	C	ECS/SMO, DSS	Change title, and first column heading. (related to # 62)	same as # 62
65	p.5-10, Table 5-3	C	ECS/SMO	Change all references to SFDU headers to TSDIS ASCII metadata files. (related to #s 54, 60)	same as # 60

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66	p.5-10/11, Table 5-3	C	TSDIS	Change browse data types to add an underscore before the "BR"s. Update # and frequency of some file deliveries.	TSDIS software already has this hard coded. TSDIS provided new information on # of files and frequency
67	p.5-12, Section 5.3.2	C	ECS/SMO, TSDIS	Delete "launch, during the" and Change document date/number information. (#s 57, 61)	Referenced times are relative to instrument checkout, not launch. Document has been updated.
68	p.5-12, Section 5.3.2	C	ECS/Ingest	Clarify description of algorithms and documentation being archived at ECS and inform HTML form.	Incorrect/incomplete information currently in document.
69	p.5-12, Sections 5.3.3 and 5.3.4	A	ECS,TSDIS, ESDIS	Add sections to describe new data flows of ephemeris and housekeeping data from TSDIS.	same as # 53
70	p.5-13, Section 5.4.1	C	ECS/SMO, TSDIS	Change document date/number information. (#s 57, 61, 67) Add note about expected reprocessing schedule.	same as #s 57, 61, 67 Information, related to updates of algorithms and documentation in Section 5.3.2.
71	p.5-13, Section 5.4.2	C	ECS, TSDIS, ESDIS	Change sections to reference section 5.3.3 and 5.3.4; change "ECS Data Type" to DATA_TYPE; fix table number	New source of data (TSDIS, not SDPF). same as #s 62 and 64
72	p.5-13/14, Section 5.5	C	ECS/SMO	Add clarification to indicate file names of ancillary data. change "ECS Data Type" to DATA_TYPE; fix table number	To complete the description of how ECS provides the ancillary data. same as #s 62 and 64
73	p.5-14 and 5-15, Sections 5.5.1 through 5.5.4	C	ECS/SMO, ESDIS	Update ancillary data sections.	IRD updated to reflect detailed products. (Item #4 in workoff plan)

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74	p.5-15, Table 5-4	C	ECS/SMO, ESDIS	Update ancillary and ephemeris/housekeeping data DATA_TYPE and frequency values	Values were TBR. related to # 73. (Item #'s 2 and 5 in workoff plan.)
75	p.A-1, Appendix A	C	ECS/SMO	Update workoff plan.	Most #s resolved in this CCR.
76	p.AB-1 through AB-4	C	ECS/SMO	Update Abbreviations and Acronyms.	self explanatory